Options

The DT136 is designed to work with a range of custom and off-the-shelf options to enhance its applicability for various deployments.

- Built-in wireless LAN, with external antenna
- Omnikey smart card reader

SPECIFICATIONS*

System	
Processor	Intel® Core™ i-Series CPU
GPU	Intel® HM65
Memory (RAM)	4GB to 8GB
Storage	32GB, 64GB or 128GB
Operating Systems	Microsoft® Windows® Embedded Standard 7 or Windows® 7 Pro
Display Resolution	Up to 1920 x 1080
Video Resolution	Dual Full-HD
Trusted Platform Module	TPM 1.2
Network Interface	10/100/1000MB BaseT LAN x 2; Wi-Fi 802.11 a/b/g/n (optional)
Expansion	PCI Express
Input/Output Ports	1 HDMI port, 1 VGA port, 1 DVI port**; 2 Audio jacks (Microphone-in, Line-out jacks); 4 USB 2.0 ports; 2 Serial/ COM ports; 2 PS/2 ports; 2 DC-in (include Phoenix connector for 12-24V DC in); 2 RJ45 connectors for Ethernet; 1 Parallel port; Wi-Fi dipole antenna (optional)
Power	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 18.5V DC/ **Phoenix:** 12-24V DC, 3.5A
Mechanical	
Enclosure	Aluminum + steel
Dimensions (H x W x D)	2.75 x9.8 x 7.87 in/ 70 x 250 x 200 mm
Weight	6.97 lbs/3.16kg
Environmental	
Regulatory	FCC Class B, CE, C-Tick, UL, RoHS compliant
Temperature	**Operation:** 0°C - 40°C; **Storage:** -20°C - 60°C
Humidity	0% - 90% non-condensing

* Specifications subject to change without notice.

** Support for up to two displays at one time (e.g. HDMI and VGA only, or VGA and DVI only)

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BOG072012DT136ENG

DT Research

Embedded Controller/ System

DT136

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of Embedded Controller/ System devices - the DT136, featuring compact, robust construction powered by the high-performance and energy efficient Intel® Core™ i-Series processor. The DT136 supports major embedded operating systems as well as Microsoft® Windows® Embedded Standard 7 or Windows® 7 Pro and provides complete solutions for a variety of computing needs. The user is offered a choice of software solutions on a platform characterized by the following:

- High-integration and energy-efficient processor technology
- Expanded graphics capabilities for multimedia applications
- Robust construction for reliable operation
- Cost-effective computing in compact and versatile packaging

Package Contents

1. DT136
2. AC/DC Power Adapter
3. Basic Operation Guide

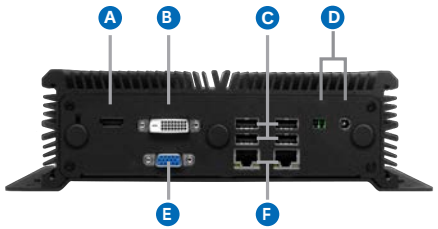
Note: The actual package contents may vary depending on the configuration acquired.

Precautions

- Always exercise care when operating and handling the DT136.
- Never disassemble any portion of the enclosure. It will void any product warranty on the DT136.
- Do not use any AC/DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power down the DT136 and disconnect all power sources.
- Please report the problem to your device provider immediately.

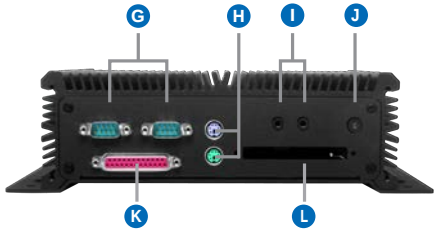
The DT136

Front View



- A HDMI port
- B DVI port
- C USB 2.0 ports
- D DC-in
- E VGA port
- F Ethernet ports

Rear View



- G RS232 COM ports
- H PS/2 ports
- I Audio jacks
- J Power button
- K Parallel port
- L Omnikey smart card reader (optional)

Powering ON and OFF

The Power Button is located in the front of the DT136. The Power Button may be configured to function differently depending on the power options of the operating system. In general, to turn the DT136 on, push and release the Power Button on the front bezel. The power LED will be lit (blue) and the corresponding interface will be displayed on the display monitor.

To turn off the device, again depending on software operating system, push and release the Power Button or use a software shutdown interface. In the event of system lockup, the Power Button may be used to perform a reset on the device. To do that, push and hold the Power Button for at least 4 seconds. The system will shut down and all unsaved work may be lost. Pushing on the Power Button again will restart the device.

Device Ports

The DT136 features an optimal set of I/O ports while preserving the compact size of the system. The video-out connectors, network (10/100/1000 BaseT Ethernet), COM ports, PS/2 ports, one parallel port and power ports are supplemented by a set of four USB 2.0 and two audio ports. Through its USB ports, the DT136 supports a wide range of USB-based peripherals. These peripherals are applicable in providing the means for software installation, application storage, data storage, and system software recovery and updates.

Memory and Storage

The DT136 may be available in storage configurations ranging from 32GB, 64GB or 128GB Flash. Depending on base software configuration, the user may use the internal memory of the DT136 for user's installed software and storage. The user may also supplement storage space with USB-based peripherals such as flash disks. RAM capacity is from 4GB to 8GB.